

# A METHOD FOR COMPUTING PAYMENT DISCOUNTS TO ACHIEVE BUDGET-BALANCE IN EXCHANGES

## ABSTRACT OF THE INVENTION

5           Disclosed is a method for computing payment discounts awarded to winning  
agents in an exchange, said method comprising computing a Vickrey discount to each  
said winning agent as the difference between available surplus with all agents present  
minus available surplus without said winning agent, and computing said payment  
discounts by adjusting said Vickrey discounts so as to constrain said exchange to budget-  
10 balance.